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# JD Edwards EnterpriseOne Overview of Integration Frameworks



# Agenda

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- 1 Definition of “Integration”
  - 2 Aspects and Patterns of Integration
  - 3 Recap of JD Edwards EnterpriseOne Integration Frameworks
  - 4 Orchestrator as an Integration Framework
  - 5 Customer Success Stories
- Q & A

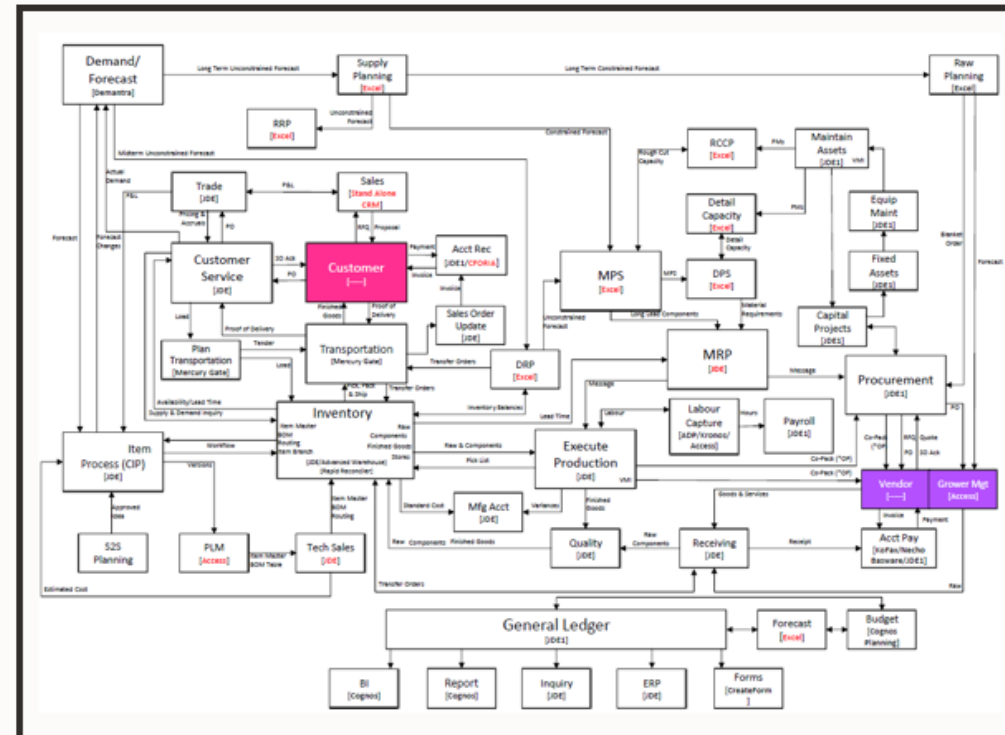


**in·te·gra·tion** (in'ti grā'shən), *n.* **1.** an act or instance of combining into an integral whole.

# What Is Integration?



What the user wants to see

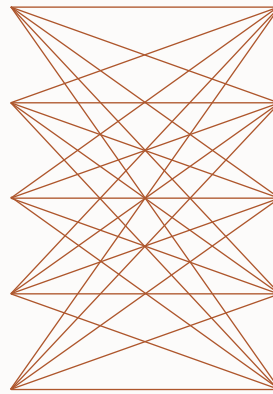


What the integration map might look like



## Aspects of Integration

- Volume of payload
- Frequency
- Latency (real-time) requirements
- Payload: data or service?
- Ownership, source of truth
- Security
- Technology/protocols
- Cost of failure
- Push or pull?
- Speed to implement; speed to revise
- Dependency path (a house of cards)
- Skills of the architect, designer, administrator

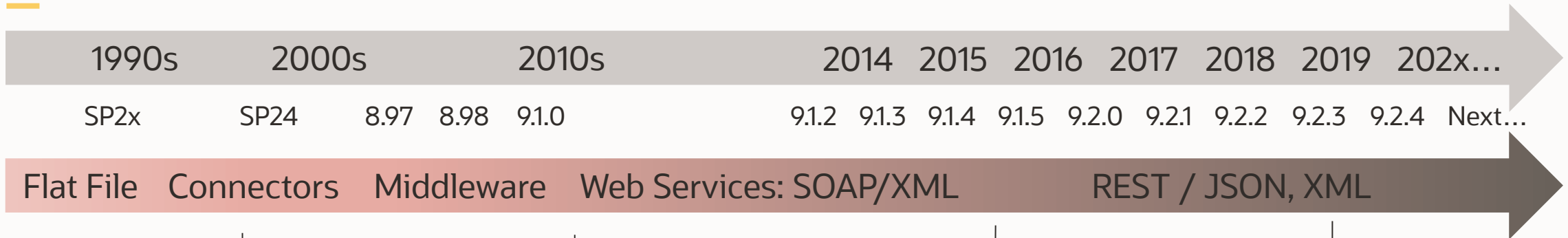


Complexity!

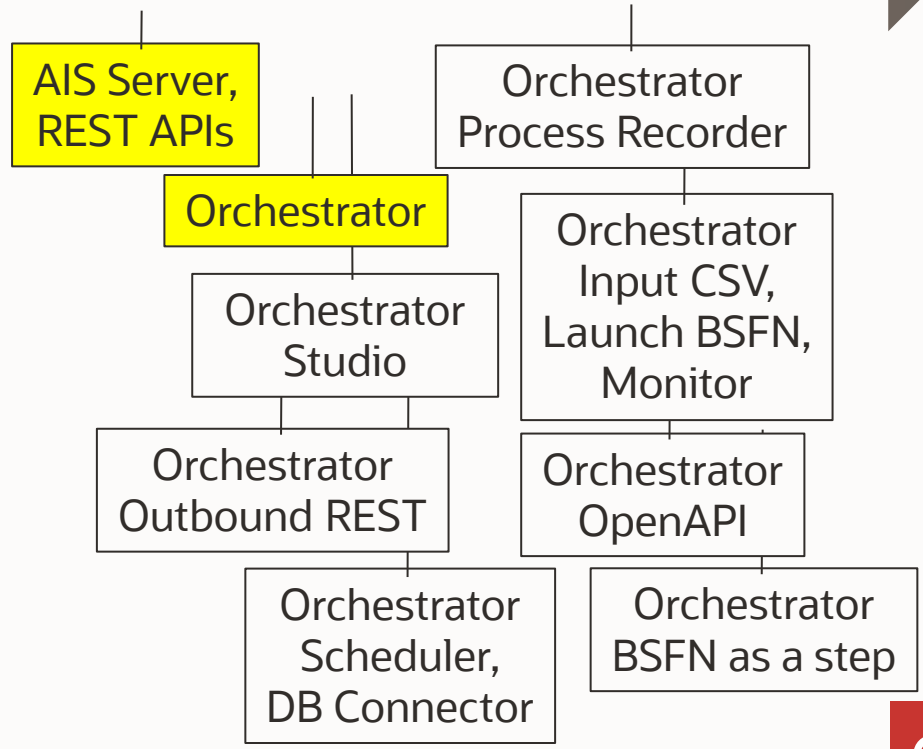
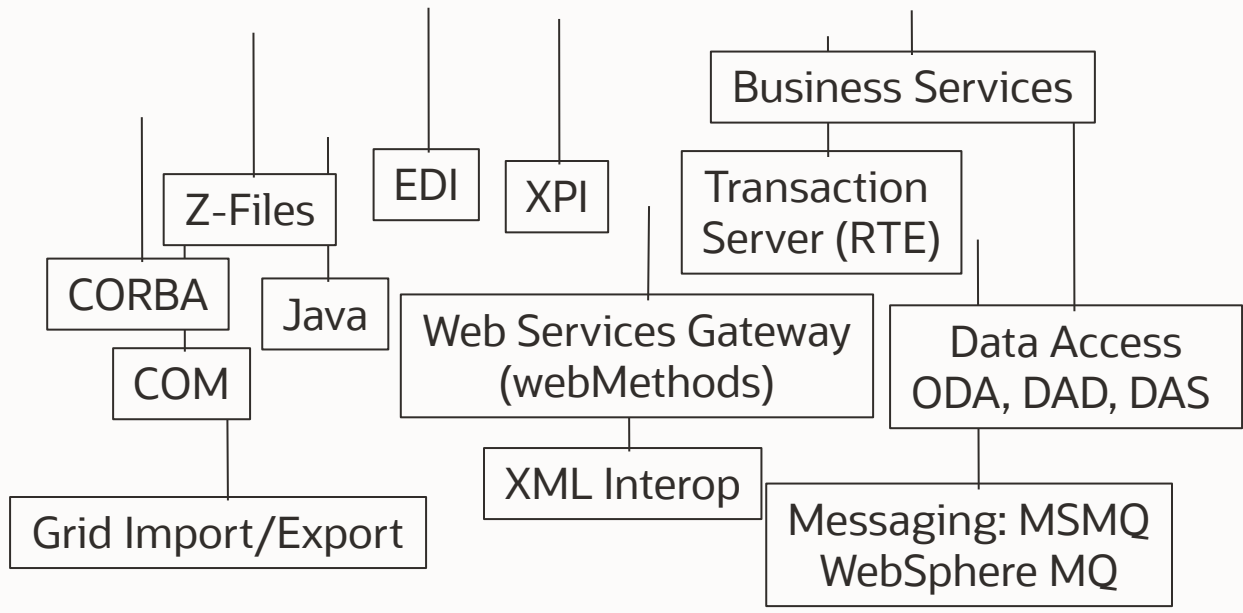
## Patterns of Integration

- Manual, brute force, retyping
- Semimanual, “on the glass” import/export
- Point-to-point invocation of core logic
- Data exchange via files
- Data replication
- Standards-based (web services)
- “Chatty” transaction-oriented vs. bulk/batch
- Direct vs. brokered by middleware
- Person-initiated vs. event-initiated

# Timeline Review of JD Edwards EnterpriseOne Integration Methods



SP2x      SP24      8.97   8.98   9.1.0      9.1.2   9.1.3   9.1.4   9.1.5   9.2.0   9.2.1   9.2.2   9.2.3   9.2.4   Next...



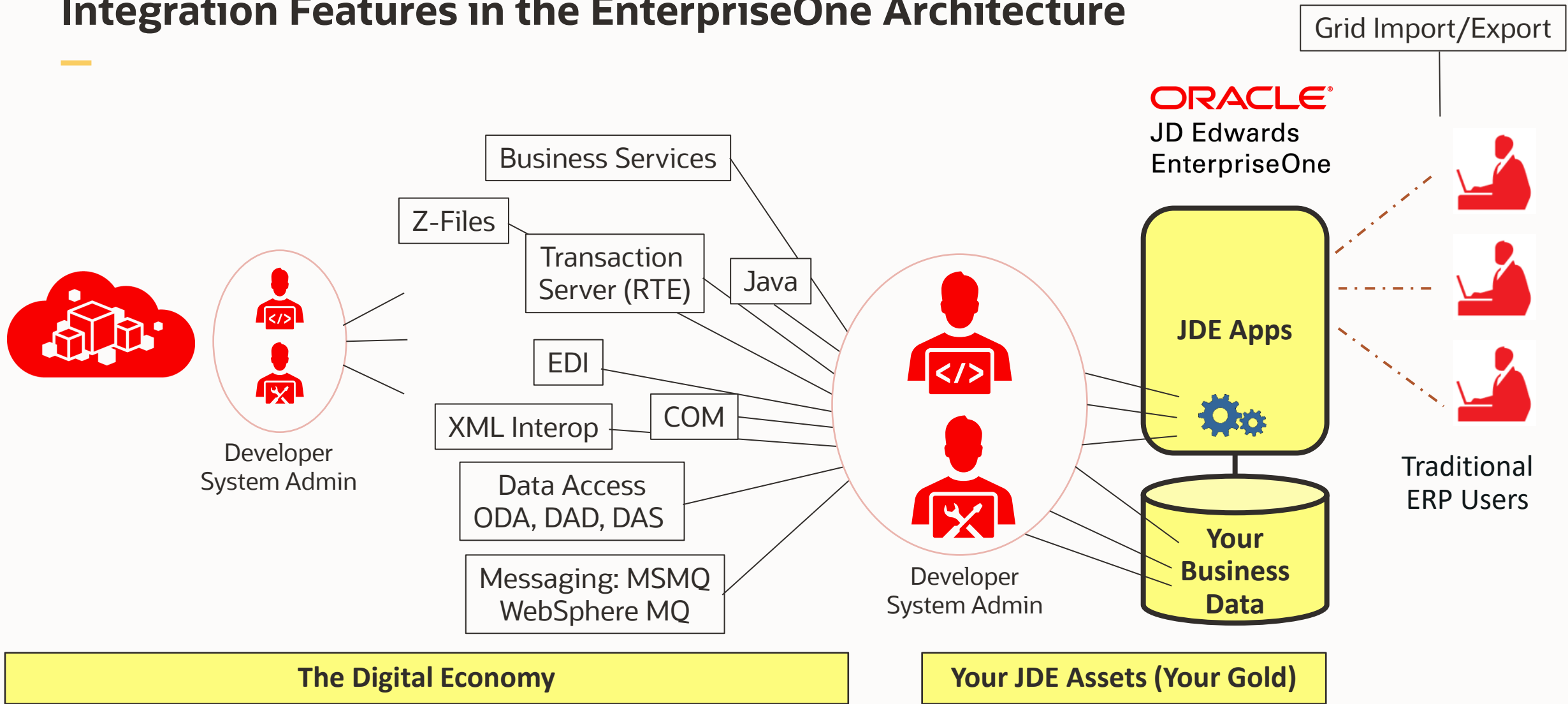
# JD Edwards EnterpriseOne Integration Framework

JDE Integration Feature	Status	Pattern	Development/Deployment
Grid Import/Export	Supported	Manual	Easy / None
Z-Files	Supported	Data	Difficult / Moderate
Connectors: <del>CORBA</del> , COM, Java	Supported	Point-to-point	Difficult / Difficult
EDI	Supported	Standards; B2B; broker	Moderate / Moderate
XPI	Withdrawn	Standards & middleware	Difficult / Difficult
Web Services Gateway	Withdrawn	Standards & middleware	Difficult / Difficult
XML Interop	Supported	Standards; MW optional	Difficult / Moderate
Transaction Server (Real-time Events)	Supported	Standards & middleware	Difficult / Moderate
Business Services Server	Supported	Standards: SOAP/XML	Difficult / Difficult
Data Access (ODI, DAS, DAD)	Supported	Standards; Data only	Difficult / Moderate
Application Integration Services (AIS)	Supported	Standards: REST/JSON,XML	Moderate / Easy
Orchestrator	Recommended	Standards: REST/JSON,XML	Easy / Easy

See: [“Understanding Interoperability”](#) in the *JD Edwards EnterpriseOne Tools Interoperability Guide*



# Integration Features in the EnterpriseOne Architecture



# <sup>1</sup> service

noun | ser·vice | \ˈsər-vəs\

an act of helpful activity; help; aid

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Opportunities for automated integration:

*“Oh my gosh, I can’t believe I have to do this...again!”*

*“Why am I doing this? This is tedious.”*

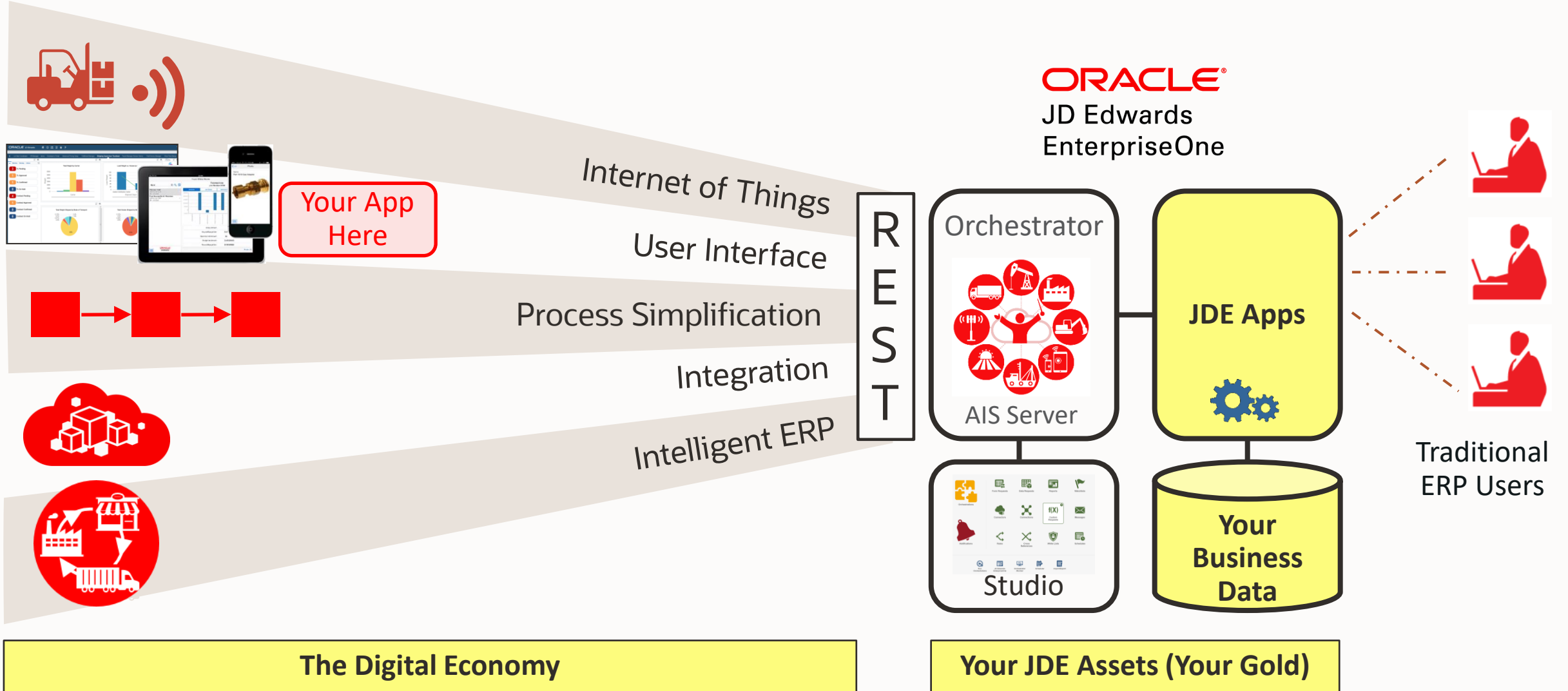
*“I don’t get paid for this.”*



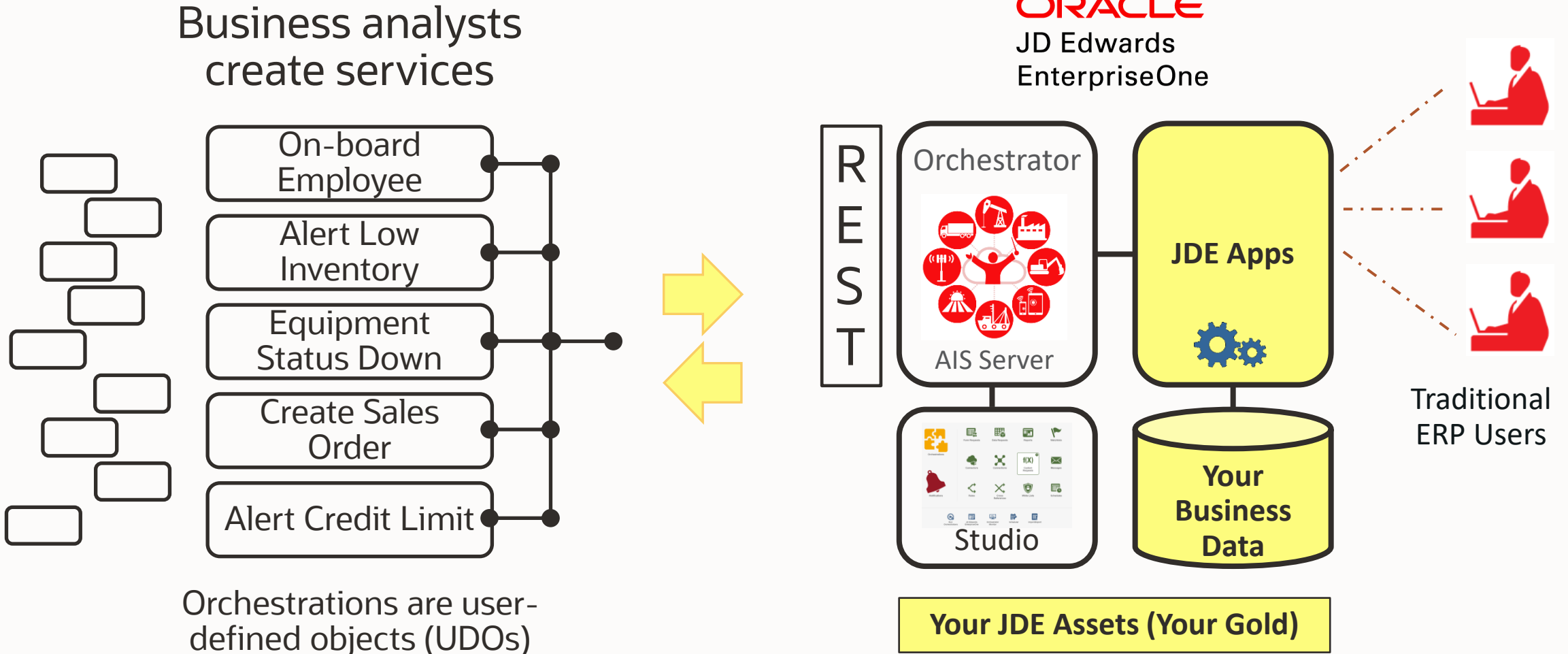
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EnterpriseOne



# JD Edwards EnterpriseOne Application Interface Services and Orchestrator



# Orchestrator is a JDE REST API “Factory”

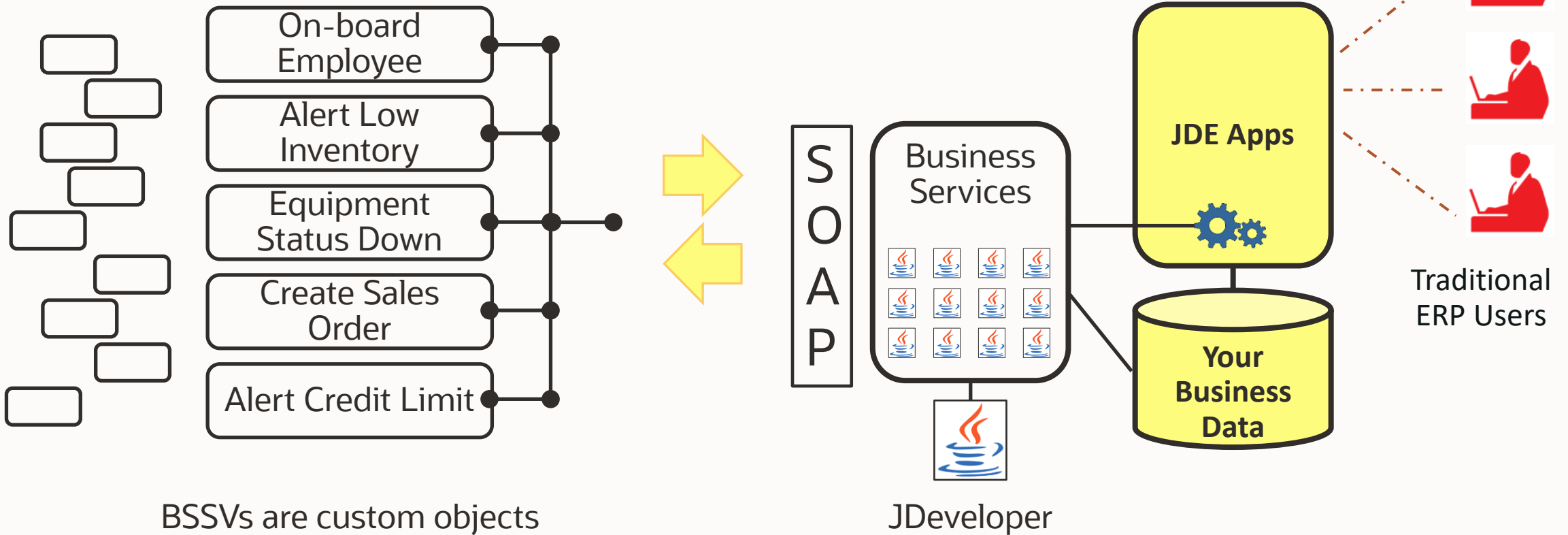


# But Aren't Business Services...Services? Yes, but...

- Business analysts
- JDE developers
- Java programmers
- System admins

- More people
- More skill sets
- More knowledge of BSFN
- Build and deploy process

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BSSVs are custom objects

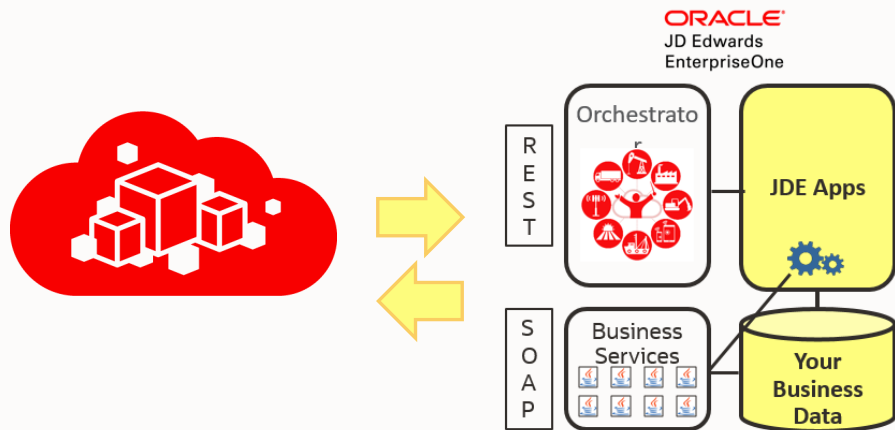
JDeveloper

Traditional ERP Users

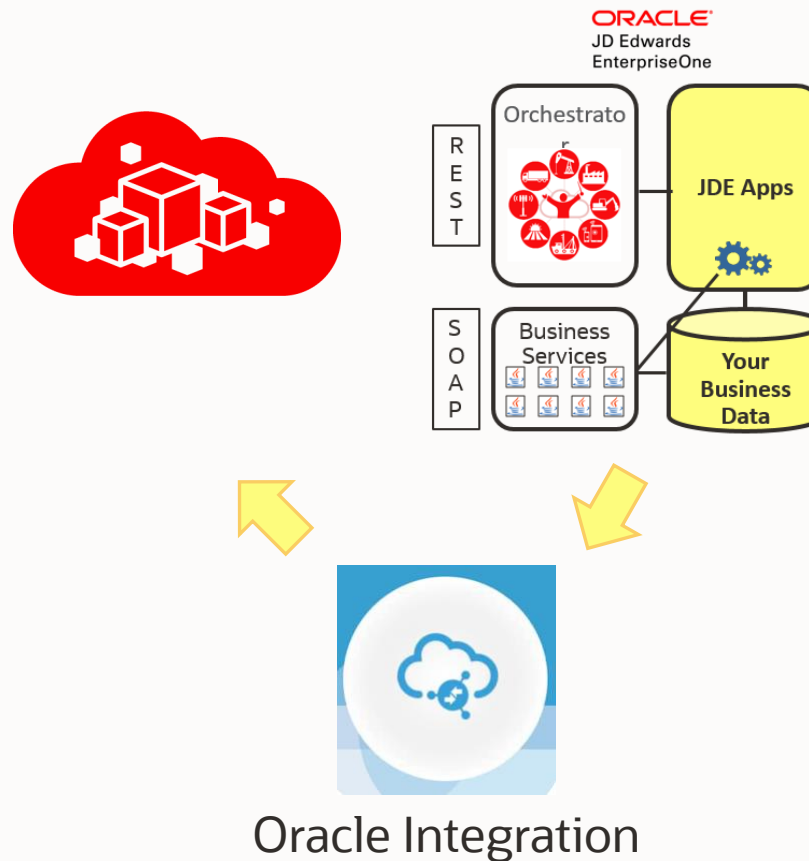


# The Debate: Middleware or No Middleware?

EnterpriseOne CAN Integrate Directly



The Value-add of Integration Middleware

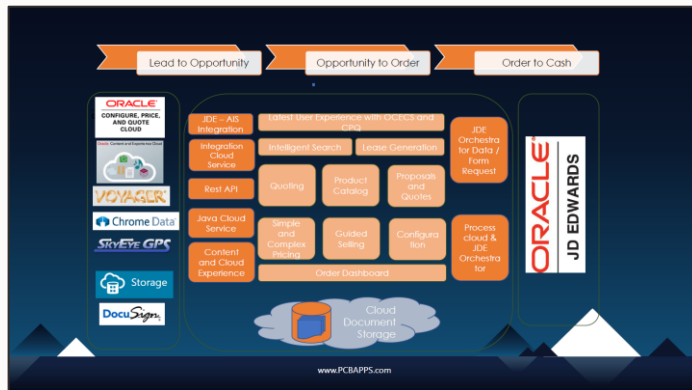
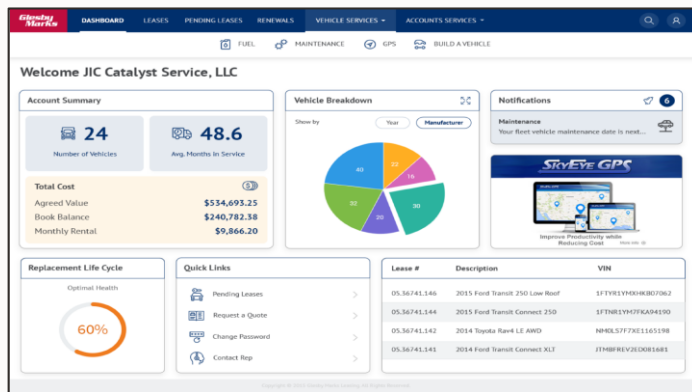


- Centralization
- Protocol translation
- Error handling/retry
- “Problem” applications
- Identity management
- Future-proofing



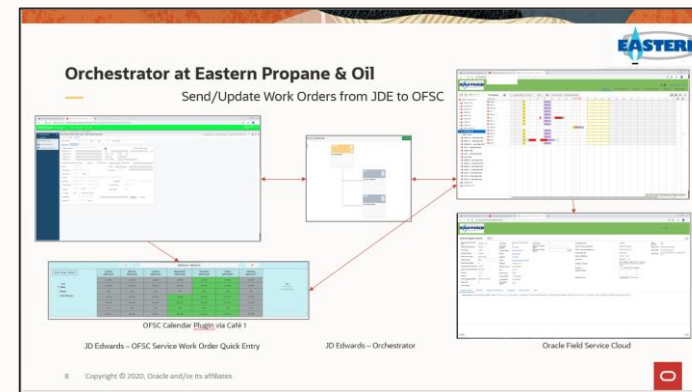
# JD Edwards EnterpriseOne Integration Customer Success

## Glesby Marks



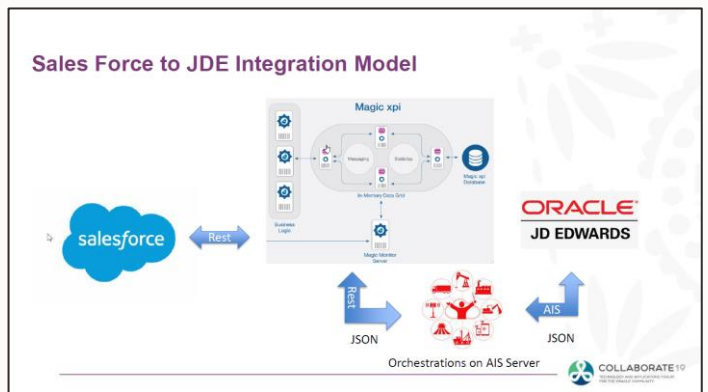
Quest InFocus 2019 Presentation

## Eastern Propane



Quest Webcast: *Orchestrator Solving Real World Challenges*

## Michelman



### The Project

Connected applications: Oracle JD Edwards EnterpriseOne, Salesforce CRM

### Solution

Michelman automated the exchange of information between their Oracle JD Edwards ERP and their Salesforce CRM using an API generated by the JD Edwards Orchestrator with Magic xpi to increase efficiency and fill a business gap.

Time-to-market: 32 days

### Results

Saved over 60 hours per week through operational efficiency

Increased data accuracy by 50%

ROI of less than 10 months

Gained ability to track possible future revenue

Improved visibility of product quality

Quest Collaborate 2019: *The Power of the JDE Orchestrator in 60 mins - Automating Business Processes in 32 days*



# Resources

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- [www.LearnJDE.com](http://www.LearnJDE.com) > [Orchestrator](#)
- [www.LearnJDE.com](http://www.LearnJDE.com) > [Integrations](#) (Under Construction)
- “[Understanding Interoperability](#)” in the *JD Edwards EnterpriseOne Tools Interoperability Guide*
- [Quest User Group](#): Search “Orchestrator”
- Quest Webinar: [Using Orchestrator to Build JD Edwards Services](#)

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